

Date: Sat, 13 Aug 94 04:30:07 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #909
To: Info-Hams

Info-Hams Digest Sat, 13 Aug 94 Volume 94 : Issue 909

Today's Topics:

 ..from an aspiring ham
 ARLB066 FCC garners award
Daily Summary of Solar Geophysical Activity for 12 August
 DX packet cluster access via internet?
 FM simplex on OSCAR subband
 RF hazards
 RFI to a smoke detector
 Special Event Station Announcement

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 11 Aug 1994 04:39:05 GMT
From: ihnp4.ucsd.edu!nntp.ucsb.edu!ucsbuxb.ucsb.edu!library.ucla.edu!agate!
msuinfo!netnews.upenn.edu!netnews.CC.Lehigh.EDU!panda@network.ucsd.edu
Subject: ..from an aspiring ham
To: info-hams@ucsd.edu

First of all, I'd like to thank everyone whose answered my questions until now
- you've all helped a lot and you can congratulate yourselves for getting
another person who wasn't so sure about ham radio to 'take the plunge'

well, I go for my exam this Sunday - at a hamfest that I wanted to tell y'all
about - I heard about it through a friend - it's gonna be up near Bangor, PA
[that's in the Lehigh Valley - kinda near Allentown] this sunday, and if
anyone is interested, I can provide directions...

I also think I've decided what I want as my first unit...I want to get the Kenwood TH-22AT - it's a 2m handheld...and if anyone has any feedback about it - I'd love to hear what you have to say - please bear in mind that I'd like to get into packet radio - and if you know how well this radio works for packed - I'd love to hear what you have to say - I've seen it around for about \$250 which seems to be the industry standard....well, wish me luck on the exam - and I hope to be on the air soon!

- Joseph Herman Thought is useless unless accompanied by action-
- herman@yu1.yu.edu Action is useless unless preceded by thought -

Date: Wed, 10 Aug 1994 15:49:52 MDT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!news.cac.psu.edu!
news.pop.psu.edu!ctc.com!news.mic.ucla.edu!unixg.ubc.ca!quartz.ucs.ualberta.ca!
alberta!ve6mgs!usenet@network.ucsd.edu
Subject: ARLB066 FCC garners award
To: info-hams@ucsd.edu

SB QST @ ARL \$ARLB066
ARLB066 FCC garners award

ZCZC AG31
QST de W1AW
ARRL Bulletin 66 ARLB066
>From ARRL Headquarters
Newington CT August 10, 1994
To all radio amateurs

SB QST ARL ARLB066
ARLB066 FCC garners award

FCC garners award

The Federal Communications Commission's 'Auction Team' has received the Hammer Award 'for reinventing government initiatives.'

The Commission said that the award recognized that the auctions (which were for narrowband Personal Communication Service spectrum and interactive video allocations) served consumers by licensing new services faster, served the public by selling rights to the spectrum rather than giving it away, and served industry by getting licenses to those 'who value them most highly.'

The FCC Auction Team includes employees who worked on allocation and auction rule making as well as the team that organized and carried out the actual auctions in late July.

After 47 rounds of bidding, the PCS auction earned more than 600 million dollars for the ten nationwide licenses being auctioned. An interactive video spectrum auction earned an additional 214 million dollars for 574 licenses that will be used for new broadcast services.

Vice President Al Gore made the award presentation. He said ''Small and independent (government) agencies have been leaders of reinventing government. At the FCC, which has less than 2,000 employees, reinvention efforts have moved the agency from red tape to real results. Employees of the Commission have set a new standard for government performance, putting their customers, the American people, first,' ' Gore said.

NNNN

/EX

Date: Sat, 13 Aug 1994 02:08:32 MDT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!agate!library.ucla.edu!
psgrain!nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu
Subject: Daily Summary of Solar Geophysical Activity for 12 August
To: info-hams@ucsd.edu

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DAILY SUMMARY OF SOLAR GEOPHYSICAL ACTIVITY

12 AUGUST, 1994

/\

(Based In-Part On SESC Observational Data)

SOLAR AND GEOPHYSICAL ACTIVITY INDICES FOR 12 AUGUST, 1994

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 224, 08/12/94
10.7 FLUX=080.8 90-AVG=079 SSN=058 BKI=3432 3233 BAI=014
BGND-XRAY=A6.9 FLU1=1.1E+06 FLU10=1.2E+04 PKI=3442 3333 PAI=016
BOU-DEV=025,044,029,017,033,012,028,021 DEV-AVG=026 NT SWF=00:000
XRAY-MAX= B8.2 @ 1140UT XRAY-MIN= A3.2 @ 0136UT XRAY-AVG= B1.1

NEUTN-MAX= +002% @ 0010UT NEUTN-MIN= -003% @ 1840UT NEUTN-AVG= -0.8%
 PCA-MAX= +0.1DB @ 1655UT PCA-MIN= -0.9DB @ 2125UT PCA-AVG= -0.1DB
 BOUTF-MAX=55233NT @ 0553UT BOUTF-MIN=55185NT @ 1758UT BOUTF-AVG=55216NT
 GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+069,+000,+000
 GOES6-MAX=P:+133NT@ 1948UT GOES6-MIN=N:-029NT@ 2246UT G6-AVG=+097,+031,-013
 FLUXFCST=STD:085,085,085;SESC:085,085,085 BAI/PAI-FCST=015,015,010/015,015,010
 KFCST=4434 4333 3334 3222 27DAY-AP=026,017 27DAY-KP=5435 4333 4434 3233
 WARNINGS=*SWF
 ALERTS=
 !!END-DATA!!

NOTE: The Effective Sunspot Number for 11 AUG 94 was 30.0.
 The Full Kp Indices for 11 AUG 94 are: 3o 3- 3- 3- 3o 3- 3- 3-
 The 3-Hr Ap Indices for 11 AUG 94 are: 17 14 11 13 16 12 11 13
 Greater than 2 MeV Electron Fluence for 12 AUG is: 3.1E+07

SYNOPSIS OF ACTIVITY

Solar activity was very low during the past 24 hours. However, new Region 7765 (S11E17), a magnetically complex D-type group, emerged rapidly after 12/0000Z. It has produced 5 subfaint flares, some with low-level x-ray enhancements. Two other H-type spot groups are visible on the disk. A dark filament seen in He 1083 nm near N25E25 on 10 August was considerably reduced on today's image. There were no reports of eruptive limb activity.

Solar activity forecast: solar activity is expected to be low based on a good probability of C-class x-ray flares from new Region 7765. If rapid growth continues, there is a chance of an isolated moderate x-ray flare.

The geomagnetic field has been mostly unsettled for the past 24 hours, although isolated quiet and active periods were also observed. Moderate levels of energetic electron fluxes were observed at geosynchronous orbit.

Geophysical activity forecast: the geomagnetic field is expected to persist at primarily unsettled levels with isolated periods of both quiet and active conditions. Energetic electron fluxes are expected to decrease toward normal background values.

Event probabilities 13 aug-15 aug

Class M	10/10/10
Class X	01/01/01

Proton 01/01/01
PCAF Green

Geomagnetic activity probabilities 13 aug-15 aug

A. Middle Latitudes
Active 30/30/30
Minor Storm 15/15/05
Major-Severe Storm 05/05/01

B. High Latitudes
Active 40/25/10
Minor Storm 20/10/05
Major-Severe Storm 05/05/01

HF propagation conditions were near-normal over all but the high latitude auroral regions where a few periods of below-normal propagation were observed due to enhanced levels of geomagnetic and auroral activity. Near-normal and improving propagation is expected to continue over the next 3 days. If Region 7765 continues to evolve, daylit paths may experience isolated periods of short-wave fadeouts. Slightly enhanced ionizing radiation from this new active region may also gradually enhance MUFs over the next week.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

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REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 12/2400Z AUGUST

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7762	N04W67	116	0100	HAX	02	004	ALPHA	
7764	S07E54	355	0050	HSX	01	001	ALPHA	
7765	S11E16	033	0070	DAI	07	023	BETA-GAMMA	
7763	S12W44	093					PLAGE	

REGIONS DUE TO RETURN 13 AUGUST TO 15 AUGUST

NMBR LAT LO
NONE

LISTING OF SOLAR ENERGETIC EVENTS FOR 12 AUGUST, 1994

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP	SWF
NO EVENTS OBSERVED										

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 12 AUGUST, 1994

 BEGIN MAX END LOCATION TYPE SIZE DUR II IV
 NO EVENTS OBSERVED

INFERRED CORONAL HOLES. LOCATIONS VALID AT 12/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS
 EAST SOUTH WEST NORTH CAR TYPE POL AREA OBSN
 96 N05W30 S07W46 N28W67 N28W67 098 ISO POS 019 10830A

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
11 Aug:	0118	0122	0126	B1.2						
	1844	1847	1850		SF	7764	S05E73			

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
Region 7764:	0	0	0	1	0	0	0	0	001	(50.0)
Uncorrelated:	0	0	0	0	0	0	0	0	001	(50.0)

Total Events: 002 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
NO EVENTS OBSERVED.								

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II = Type II Sweep Frequency Event
III = Type III Sweep
IV = Type IV Sweep
V = Type V Sweep
Continuum = Continuum Radio Event
Loop = Loop Prominence System,
Spray = Limb Spray,
Surge = Bright Limb Surge,
EPL = Eruptive Prominence on the Limb.

** End of Daily Report **

Date: Wed, 10 Aug 1994 14:26:00 -0600
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
gatech!newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!
usenet@network.ucsd.edu
Subject: DX packet cluster access via internet?
To: info-hams@ucsd.edu

In article <mikekaCu544x.FtA@netcom.com>, mikeka@netcom.com (Mike Kapitan) says:
> telnet 44.76.5.138 and leave a message for remi, the sysop.
>he'll give u a password for full access. it is the only dx cluster available
>via internet at this time. 73 de mike, km6wb

I am new to ham radio, so I may be a little off the mark here. (I am not quite sure what a DX cluster is versus a packet bulletin board.) There is a packet radio node which is accesible through INTERNET way down here in Alabama, at my alma mater, Auburn University. Telnet to 131.204.48.13 and you will find K4RY, a well equipped and thorough system which allows you to go keyboard to keyboard with other hams from all over the world. Many users are accessing through wireless packet, others access through internet, others access through dialup.

good luck, 73 KE4KUZ, Doc Elliott in Huntsville, Al

Thanks,
Doc Elliott
LOSAT Computer Engineer
INTERNET: hellriott@redstone-losat.army.mil
205-842-8086

The opinions expressed herein are mine, and do not constitute an official government position, unless specifically stated as such.

Date: 12 Aug 1994 16:28:08 -0500

From: news.cerf.net!gopher.sdsc.edu!news.tc.cornell.edu!

travelers.mail.cornell.edu!news.kei.com!yeshua.marcam.com!zip.eecs.umich.edu!

newsxfer.itd.umich.edu!gatech!swrinde!cs.@ihnp4.ucsd.edu

Subject: FM simplex on OSCAR subband

To: info-hams@ucsd.edu

> Clifton T. Sharp (clifto@indep1.chi.il.us) wrote:

>

> Heard today on 2M simplex FM in the OSCAR subband: "The radio

> will operate single sideband, code wave and FM."

I hope somebody explained to this ham that the OSCAR subband is not the recommended place to operate terrestrial 2M simplex FM.

It's too bad that instruction manuals for amateur 2M FM transceivers don't list the frequency ranges that are "off limits" for terrestrial FM:

144.0 to 144.1 MHz Weak signal EME, etc.

144.1 to 144.3 MHz Terrestrial CW and SSB

145.8 to 146.0 MHz Satellite uplink/downlink

These sub-bands may not be enforced by law, but amateurs worldwide recognize these sub-bands as being reserved for specialized activities. And the 145.8-146.0 MHz band is officially designated for satellites in all three ITU regions.

-- Wayne_Estes@csg.mot.com WD5FFH, Mundelein, IL

Date: Fri, 12 Aug 1994 19:06:40 GMT

From: ihnp4.ucsd.edu!agate!dog.ee.lbl.gov!news.cs.utah.edu!utah-morgan!

cs.utexas.edu!sdd.hp.com!hp-pcd!hpspkla!depaul@network.ucsd.edu

Subject: RF hazards

To: info-hams@ucsd.edu

Hello.

Thanks for both of your remarks. I've read conflicting reports on this issue. I'm not the hysterical type, but felt that there should be a "gut" answer for my ham situation. It turns out that I did get what I was looking for:

Earl Morse writes me: "...the author made many readings around

his home while operating his station at 100 and 500 watt levels. The highest readings were on the order of around 30 Volts/meter with most of the readings far below that. ANSI C95.1 suggests the following limits for human exposure to RF:

7 MHz...270 V/M
14 MHz...135 V/M
21 MHz...90 V/M
28 MHz...67 V/M..."

You can always analyze data to your liking (which I did). Some questions one may ask:

1. What equipment was he using? (Etc...)
2. What were his measuring devices? (Etc...)
3. Are the ANSI safety standards too conservative/too liberal?

It's interesting how some of the die-hard smokers and the smoke industry are defending how the health risks are minimal and that nicotine is not addicting, etc...even to this day. I only wish that the ham community be given honest information on the subject.

Regards and again thanks for talking this out.

Marc D

Date: 13 Aug 1994 09:08:26 GMT
From: news.delphi.com!gilbaronw0mn@uunet.uu.net
Subject: RFI to a smoke detector
To: info-hams@ucsd.edu

>In article <9408111908594.DLITE.gilbaronw0mn@delphi.com>
gilbaronw0mn@delphi.com (Gilbert Baron) writes:
>>I have a big problem with the smoke detectors in my home. They squeal when I
I
>>transmit on 40 meters. They are the type that are permanently wired to the
>>ac line. Has anyone had this problem and knows what to do about it. I can
>>try bypasses or chokes or some such thing on the line I guess? I may have
to
>>go to a battery operated detector perhaps? Any thoughts on this from
anyone?
>>Respond here and if you have really important information please email me

>>too at gilbaronw0mn@delphi.com. Thanks in advance.
>
>The standard treatment would be a couple of 2.5mH chokes in series
>with the leads, and a .001 disc ceramic capacitor across the line.
>However, if these are the type that talk to each other via carrier
>current on the AC line so that all of them sound when one detects
>smoke, you can't do this. You may be hosed. Your other alternative
>is to try to get the 40 meter energy away from your wiring. Locate
>your antenna higher and/or further away from the house.
>
>Gary
>--
>Gary Coffman KE4ZV | You make it, |
gatech!wa4mei!ke4zv!gary
>Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
>534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary

>Lawrenceville, GA 30244 | | gary@ke4zv.atl.ga.us

So, that is what the third wire is about. I guess I am hosed. I can just drop that function though. I bypassed the things and it seems ok. They did not seem to talk together anyhow. I can't get them away from the wiring, no way. I guess maybe it may still work since the carrier must be a lot lower frequency than the 40 mtr energy. Thanks for the information.

Date: Fri, 12 Aug 1994 09:55:14 +0000
From: ihnp4.ucsd.edu!agate!dog.ee.lbl.gov!news.cs.utah.edu!utah-morgan!
cs.utexas.edu!howland.reston.ans.net!pipex!demon!imcldn.demon.co.uk!
hrc@network.ucsd.edu
Subject: Special Event Station Announcement
To: info-hams@ucsd.edu

Greetings to all OM, and YL.

The Hoddesdon Radio Club will be running a special event station in aid of Wood Green Animal Shelters from 2300Z (0000 Local) Friday, August 26 through to 1700Z (1800 Local) on Monday, August 29.

We expect to be operating on HF (80m - 10m), 6m, and 2m.
If you want to arrange a sked with us, please send mail as follows :-

Packet G70BS @ GB7DAA.#33.GBR.EU
Internet hrc @ imcldn.demon.co.uk

We expect to have a small contingent from USAF Alconbury on hand, so I am sure any Stateside QSO's would be welcomed. Callsigns to look out for are GB2WAS on HF, and GB1WAS on 6m & up. Special QSL cards are available for working these stations.

Hope to meet you on the band

73's Mike G70BS
Contest Manager

--
Hoddesdon Radio Club

Date: 10 Aug 94 22:38:20 -0500
From: nntp.ucsb.edu!ucsbuxb.ucsb.edu!library.ucla.edu!agate!
howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!news.duke.edu!eff!
news.kei.com!uhog.mit.edu!news.mtholyoke.edu@ihnp4.ucsd.edu
To: info-hams@ucsd.edu

References <32bm8a\$iu2@news.csus.edu>, <32bot3\$45r@agate.berkeley.edu>,
<32buni\$3ig@chnews.intel.com>u
Subject : Re: Which code learning method? Why?

In article <32buni\$3ig@chnews.intel.com>, Cecil_A_Moore@ccm.ch.intel.com writes
to Ken Nishimura:

> Hi Ken, I have a stupid question. Does anybody actually send Farnsworth-
> sounding code on the air? I've never heard it on the air and am wondering
> why learn sounds in a way that will not be encountered in operation?

Cecil, I usually have my character speed setting somewhere around 20WPM when I am operating in the Novice bands and conversing with those of the slower speed persuasion. [On the lower ends of the bands I am usually of the slower persuasion myself] But I figure it might help someone trying to get their speed up. I haven't received any complaints, no QRSs or the like. A few stations have mystically disappeared....hmmmmmmmm. But I hear many stations employing Mr. Farnsworth's methodology on the air. It's how I got my speed up to and beyond 25WPM. I listen to code every day, even right now I am hearing stations sending at about 20WPM with approximately a 25 to 30 character rate at 14.025 on 11 Aug 94 at 0236Z.

Hope this contributes to your question.

73 de WK1V
-jim-

Date: 8 Aug 1994 03:38:48 GMT
From: agate!cat.cis.Brown.EDU!tonto-slip15.cis.brown.edu!user@ames.arpa
To: info-hams@ucsd.edu

References <linleyCu5EMp.9sG@netcom.com>, <474@ted.win.net>,
<linleyCu7266.7t4@netcom.com>o
Subject : Re: 2m/11m crossband QSO: legal?

In article <linleyCu7266.7t4@netcom.com>, linley@netcom.com (Bruce James Robert Linley) wrote:

> Thanks to all who replied. Judging by the number of responses over a 24 hr
> period, I seem to have pressed a hot button with a lot of people. I read
> 97.111 (Authorized Transmissions) and 97.113 (Prohibited transmissions)
> and then posted my question because I didn't see non-emergency cross-service
> communications specifically allowed or disallowed. Anyway, I will look for
> other solutions. I just wish I could inspire my dad to want to get his ticket.
>

My dad is in Florida and I've been trying to get him to go for his first
license for some time now, to no avail.

--
== Tony Pelliccio, KD1NR, VE ARRL/W5YI Tel. (401) 863-1880
== Brown University ADIR Fax. (401) 863-2269
== Discontent is the first step in the progress of a man or a nation.
== ObDisclaimer: The opinions are mine and not those of Brown University.

Date: 10 Aug 94 22:26:55 -0500
From: nntp.ucsb.edu!ucsbuxb.ucsb.edu!library.ucla.edu!agate!
howland.reston.ans.net!gatech!news-feed-1.peachnet.edu!news.duke.edu!eff!
news.kei.com!uhog.mit.edu!news.mtholyoke.edu@ihnp4.ucsd.edu
To: info-hams@ucsd.edu

References <1994Aug10.103830.1@aspen.uml.edu>, <32bm8a\$iu2@news.csus.edu>,
<32bot3\$45r@agate.berkeley.edu>ed-
Subject : Re: Which code learning method? Why?

In article <32bot3\$45r@agate.berkeley.edu>, kennish@kabuki.EECS.Berkeley.EDU
(Ken A. Nishimura) writes:

>>In article <1994Aug10.103830.1@aspen.uml.edu>, martinja@aspen.uml.edu wrote:
>>: I believe you will hear 5WPM at 5WPM at the exam session.

> The ARRL exams are as follows:
>
> 1A: 5 WPM at 16 WPM Farnsworth
> 1B: 13 WPM at 18 WPM Farnsworth
> 1C: 20 WPM at 22 or 23 WPM (can't remember)

Yeah! What the heck was I thinking when I posted the above? I'm an ARRL accredited VE and I know it's not 5WPM at 5WPM. Oh well....take away the last two digits of my social security number for that bo-bo....ur uh is it boo-boo? Someone said bo-bo in an earlier post somewhere.....really! :)

Uh..please excuse my ignorance....it won't happen again.....really!

73 de WK1V
-jim-

End of Info-Hams Digest V94 #909
